

Fig. 1

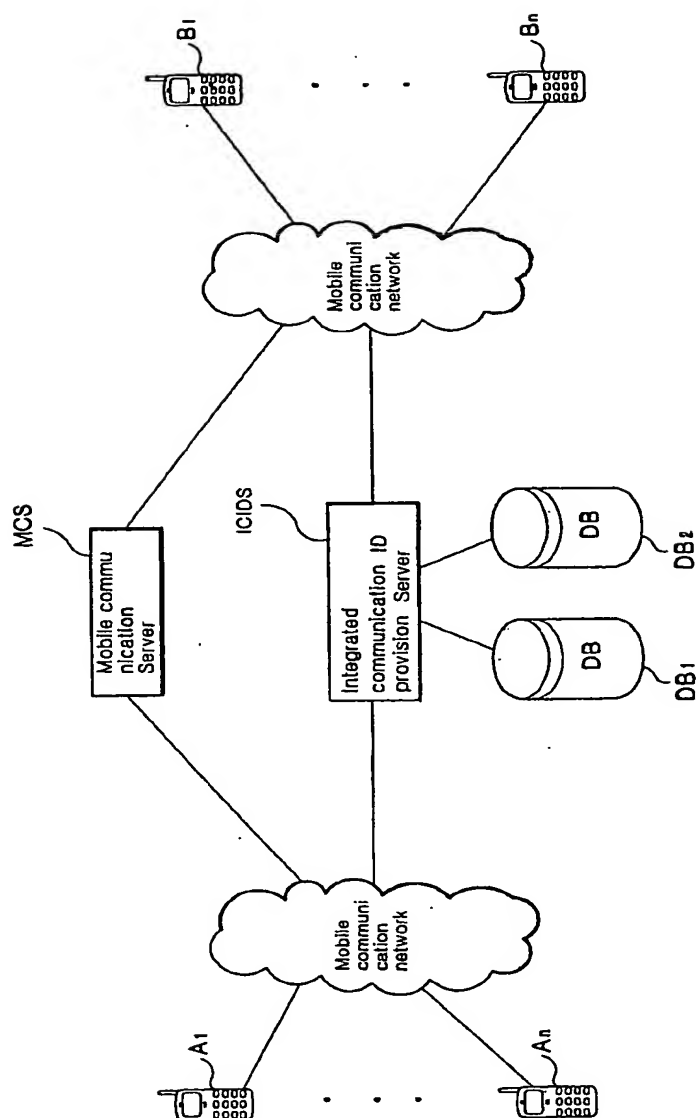


Fig. 2a

DB TABLE	
• Pinetree	1. 011-123-4567(Mobile phone) 2. 02-123-4567(Home) 3. 02-123-8901(Office) 4. www.Hong Dong. Co.kr(Homepage) 5. Hong Dong @ mails.net(E-mail)
• 1004Pinetree	1. 011-123-4567(Mobile phone) 2. 02-123-4567(Home) 3. 02-123-8901(Office) 4. www.Hong Dong. Co.kr(Homepage) 5. Honggildong @ mails.net(E-mail)
★ Honggildong	

Fig. 2b

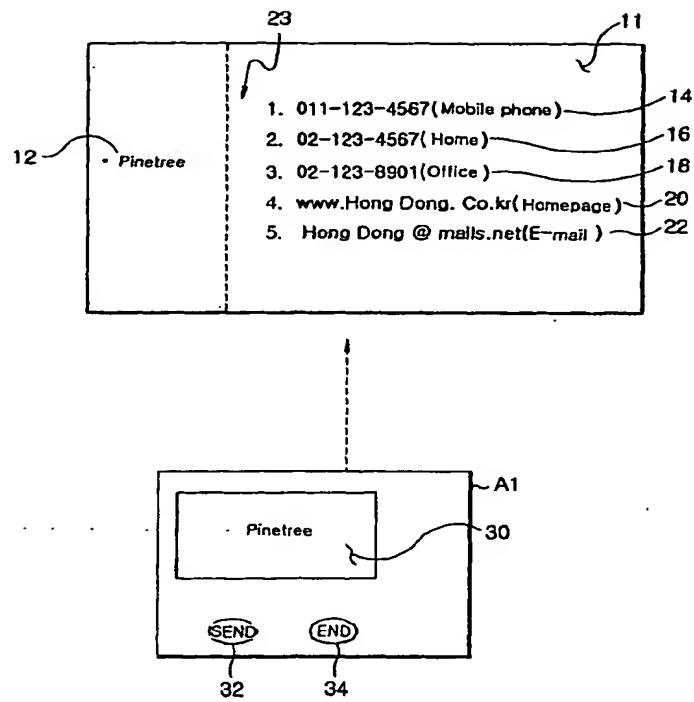


Fig. 3

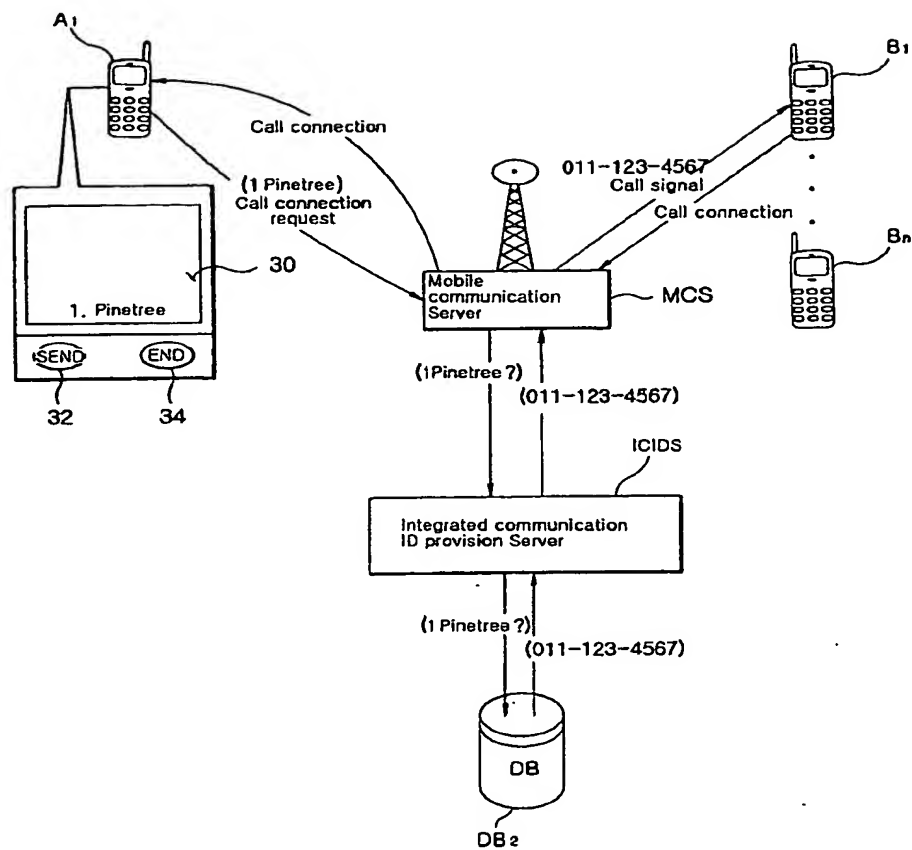


Fig. 4

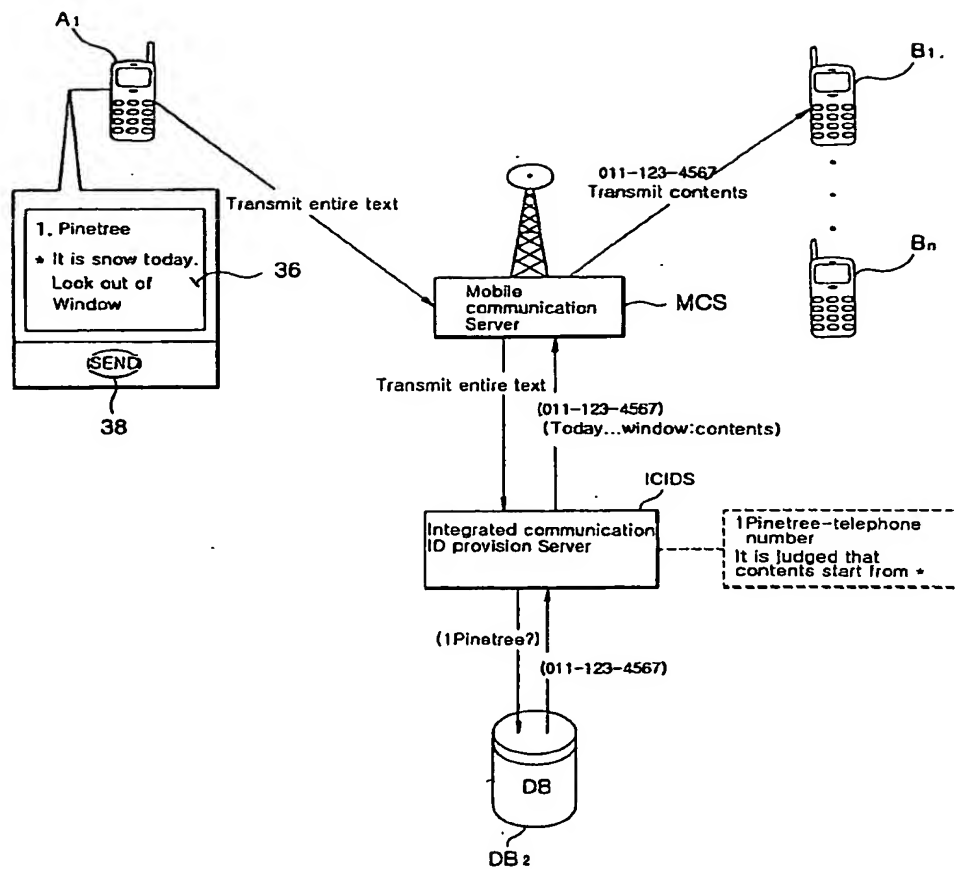


Fig. 5a

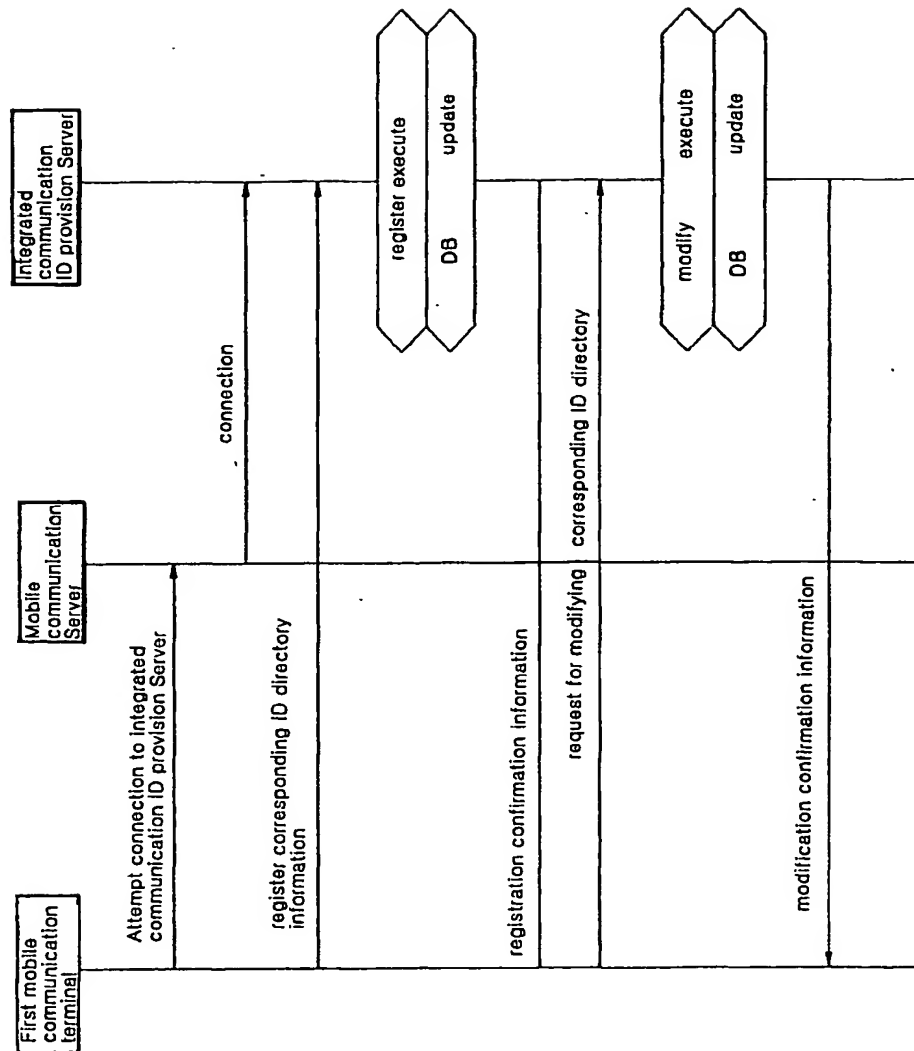


Fig. 5b

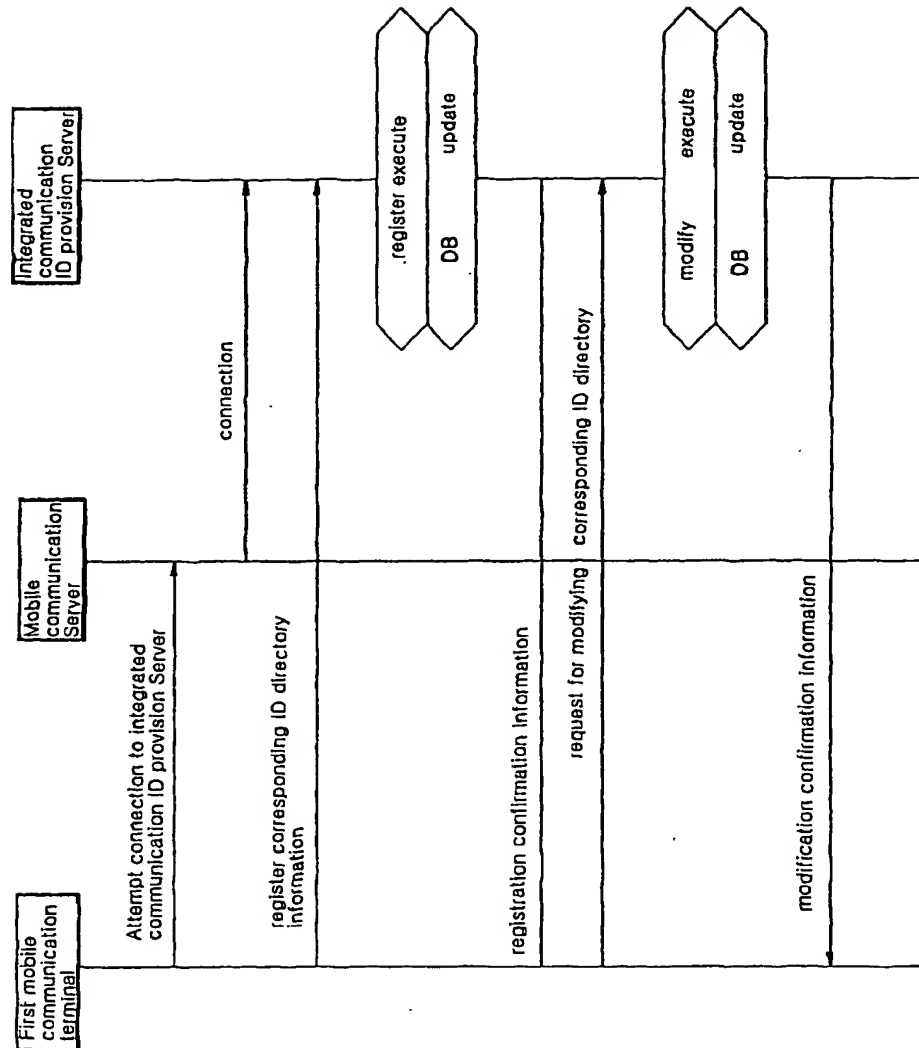


Fig. 5c

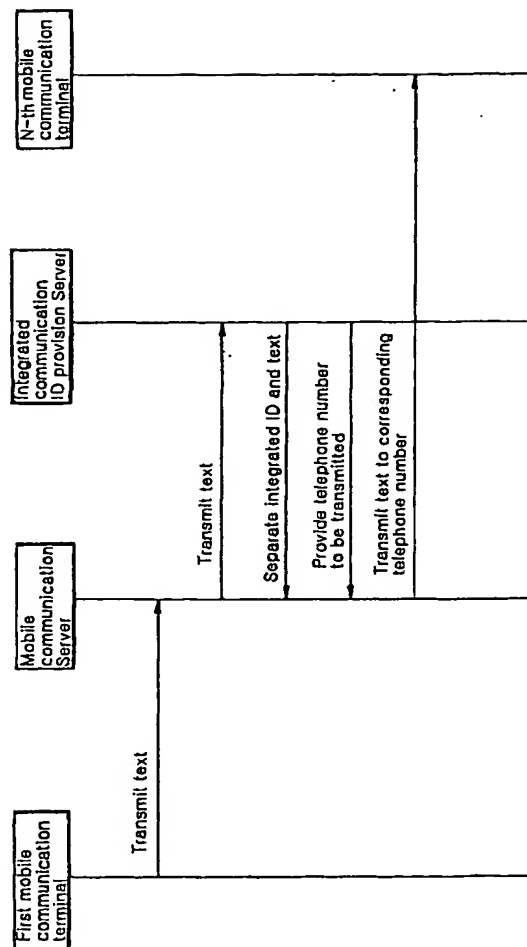
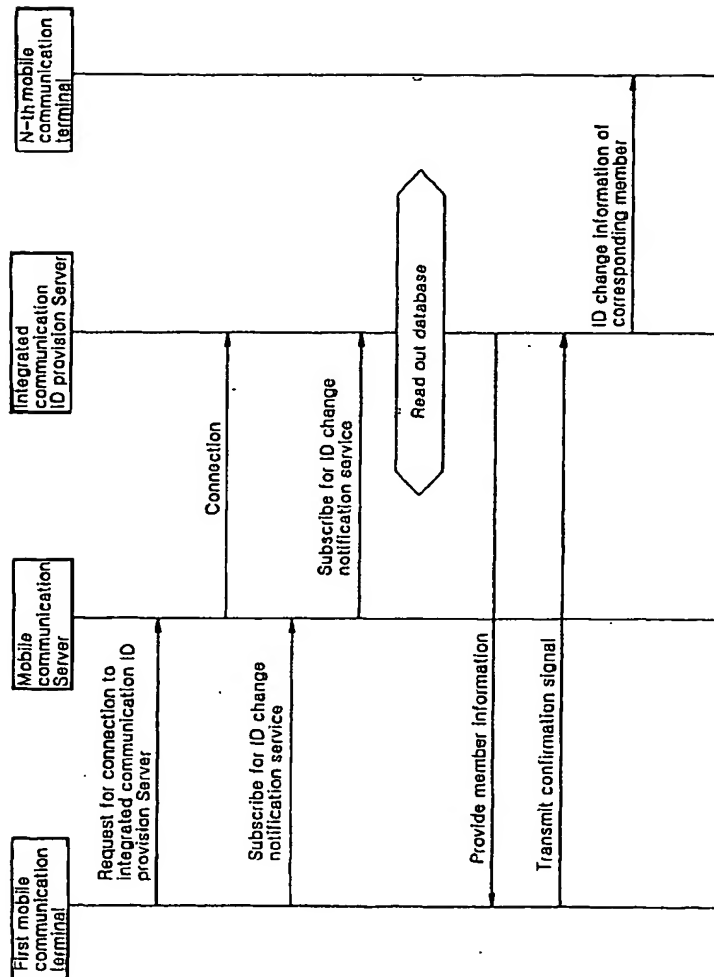


Fig. 5d



10 / 32

Fig. 5e

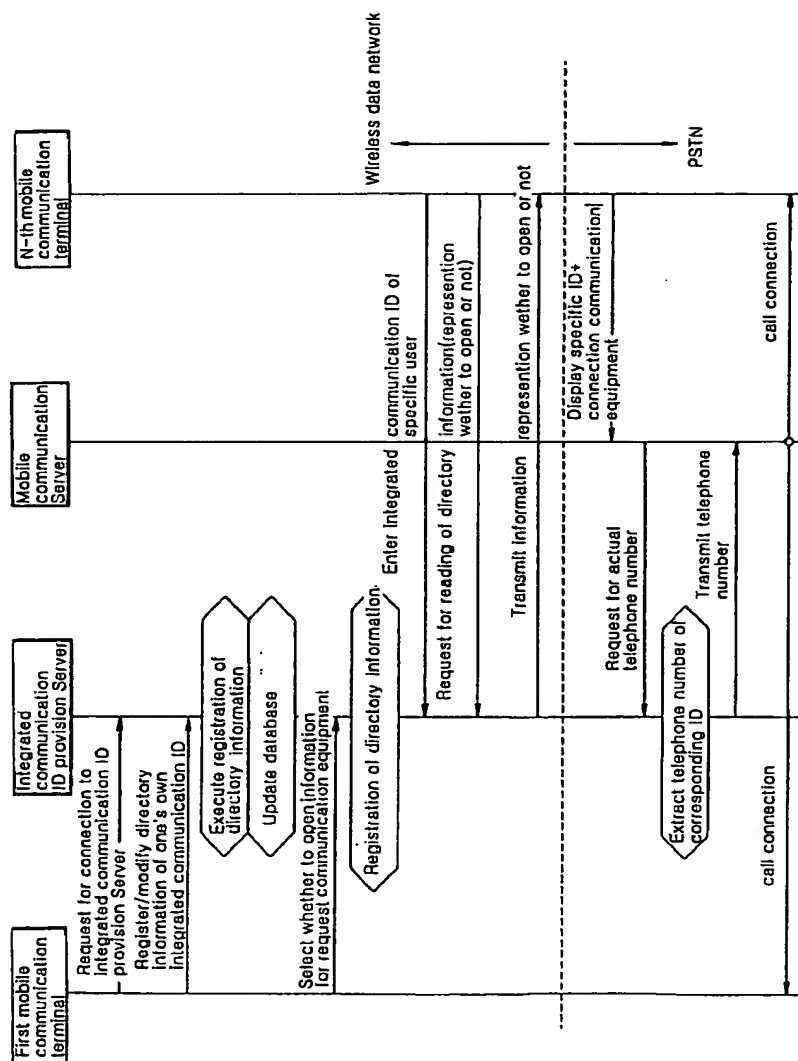


Fig. 6a

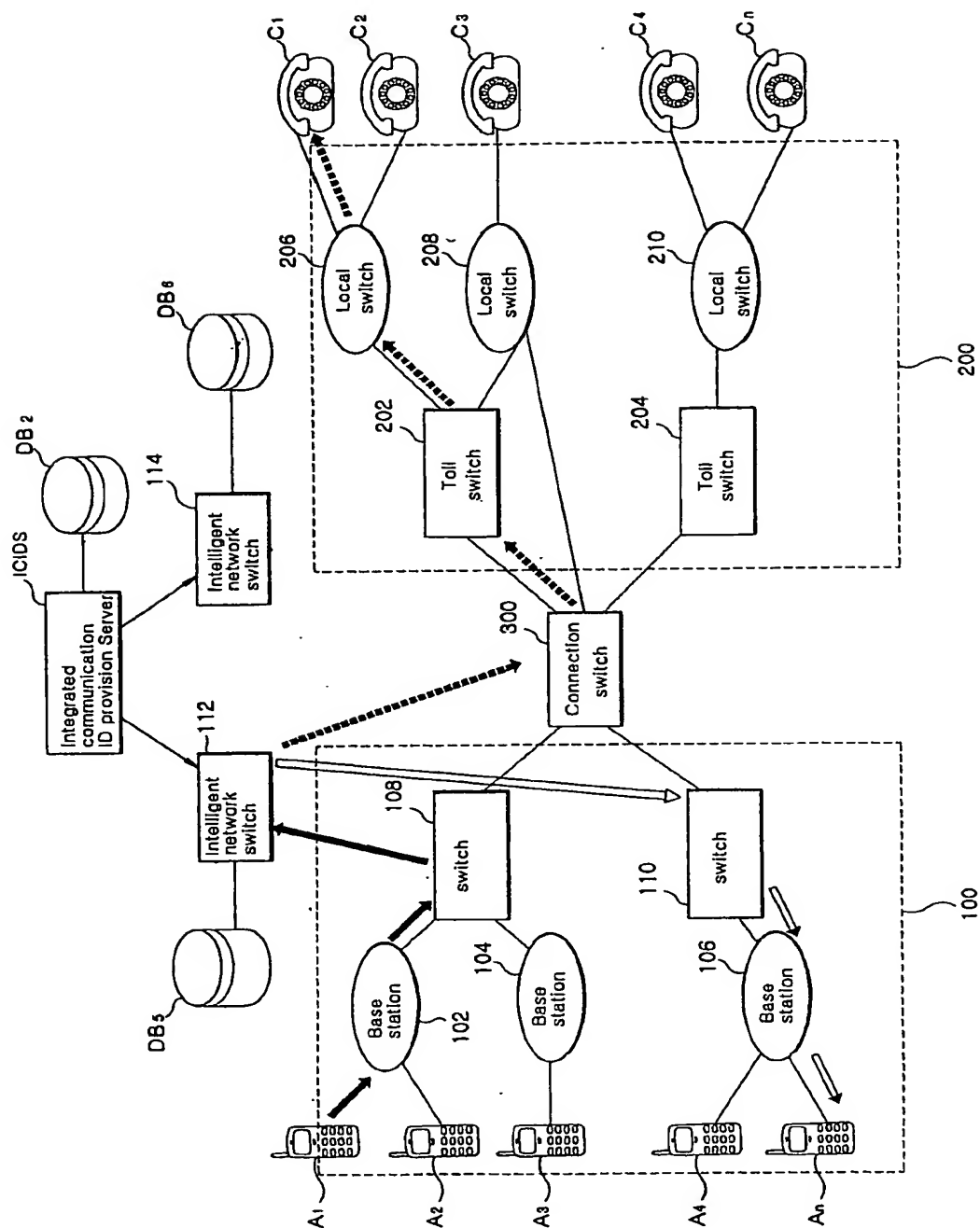
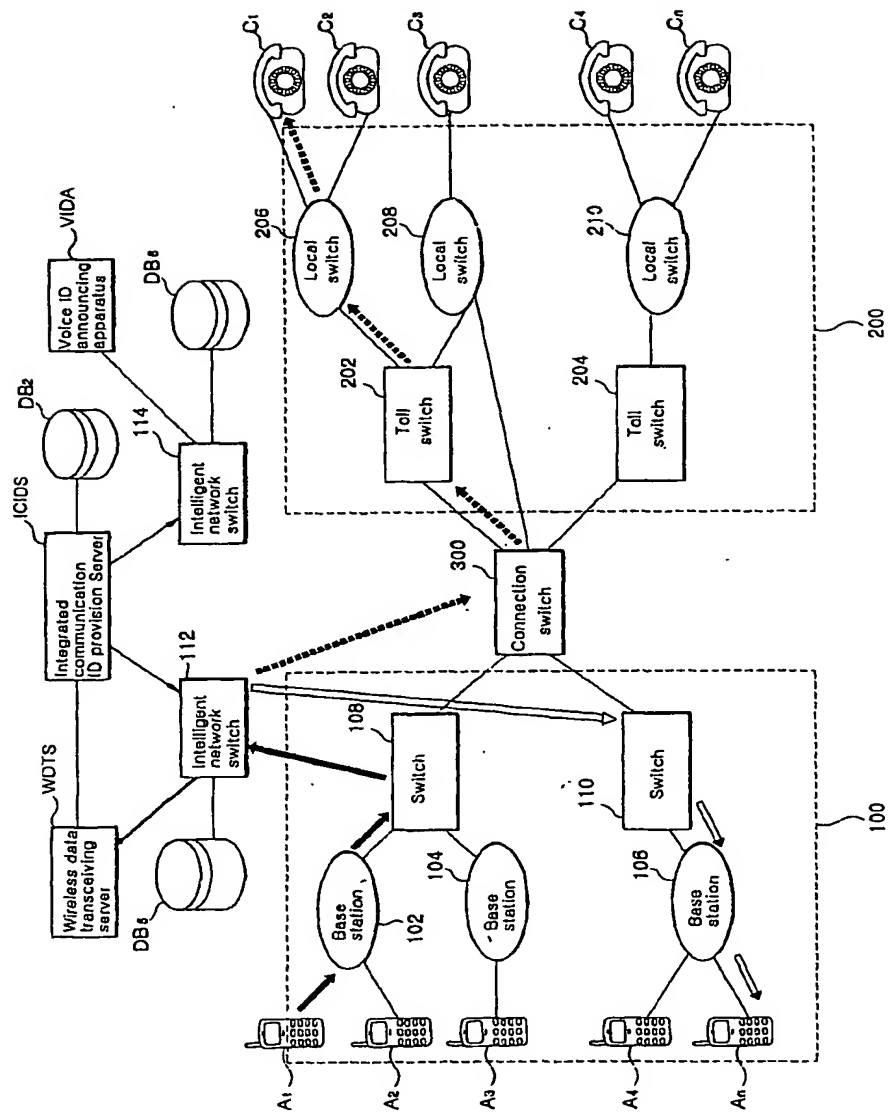


Fig. 6b



13 / 32

Fig. 6c

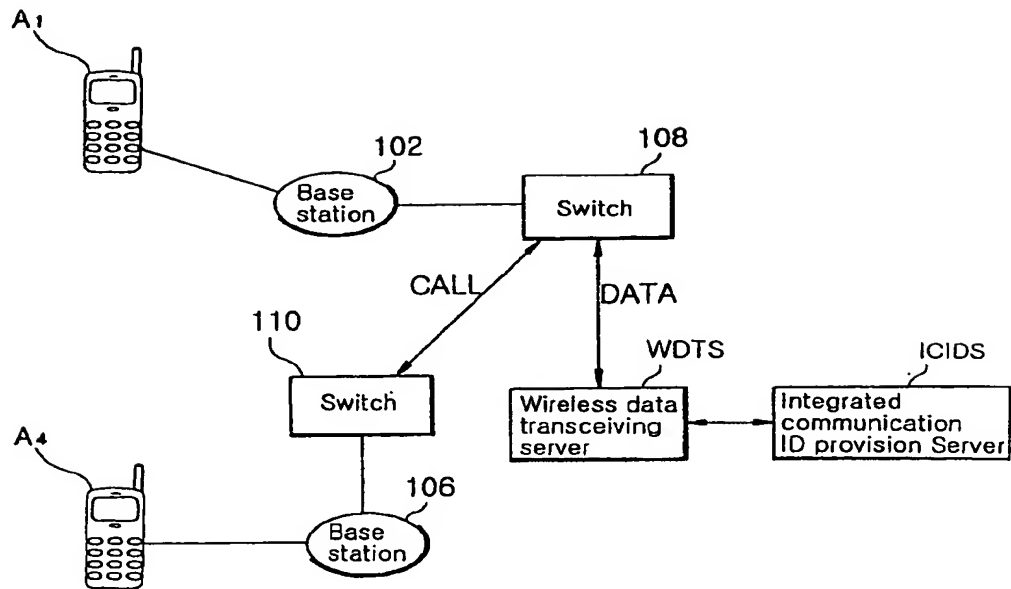


Fig. 6d

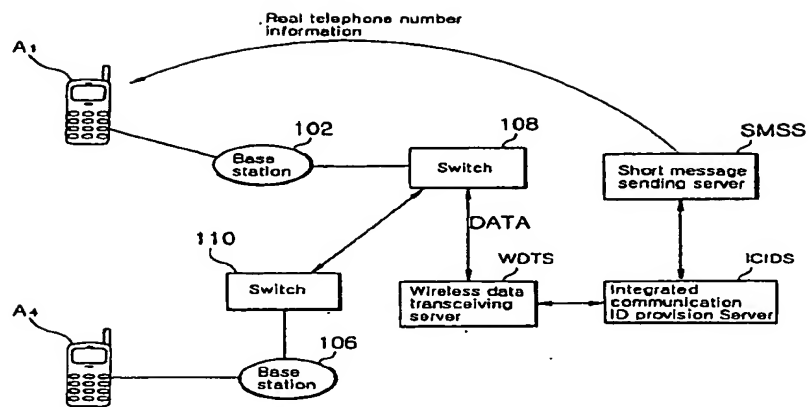
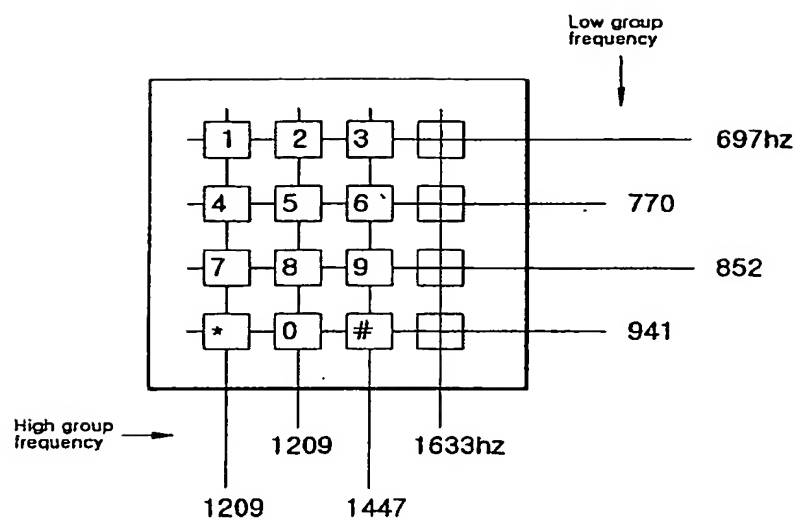
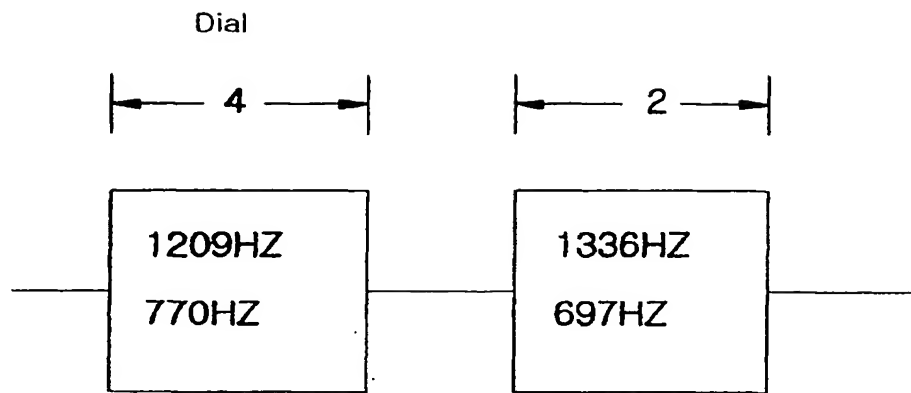


Fig. 7a



16 / 32

Fig. 7b



17 / 32

Fig. 8a

ㄱ	ㄴ	ㄷ	ㄹ	ㅁ	ㅂ	ㅅ	ㅇ	.
10	11	12	13	14	15	16	17	.
.	.	.	.					
ㅊ	ㅋ	ㅌ	ㅍ	ㅊ	ㅌ	ㅍ	ㅍ	.
30	31	32	33	34	35	36	37	.
.	.	.	.					



Enter 'pinetree'



Convert 163411301536



(1209HZ)	(1209HZ)	(1447HZ)	(1209HZ)	...
(697HZ)	(941HZ)	(697HZ)	(770HZ)	Generate



Extract/recognize ID (pinetree)

18 / 32

Fig. 8b

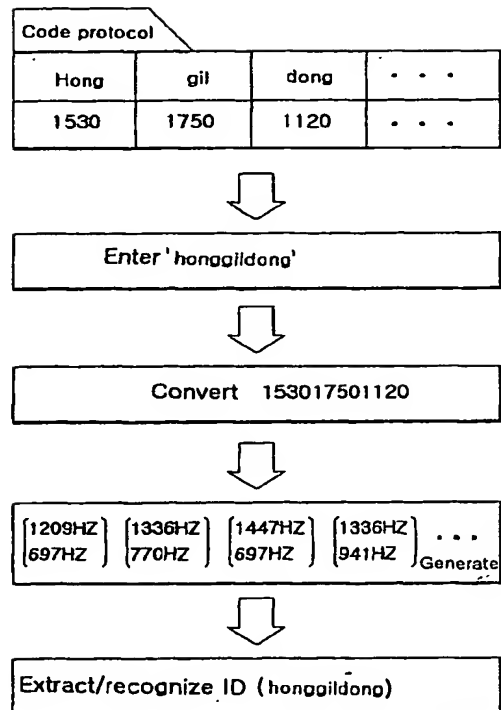
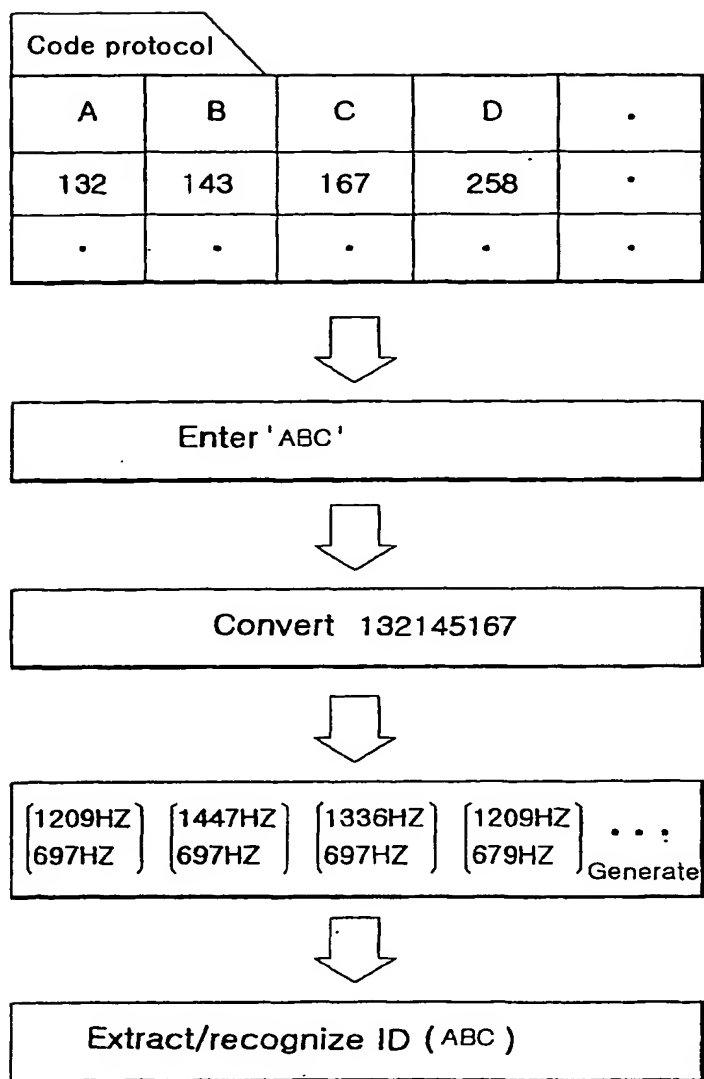


Fig. 8c



20 / 32

Fig. 9

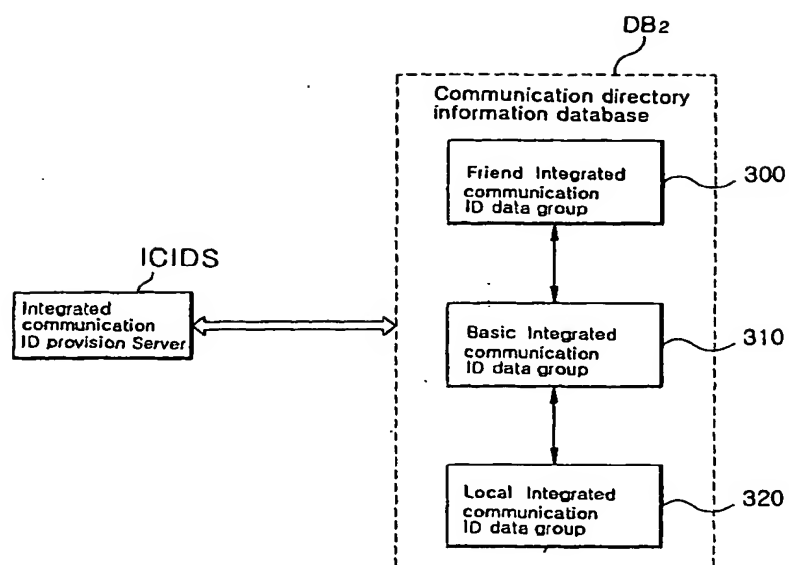


Fig. 10

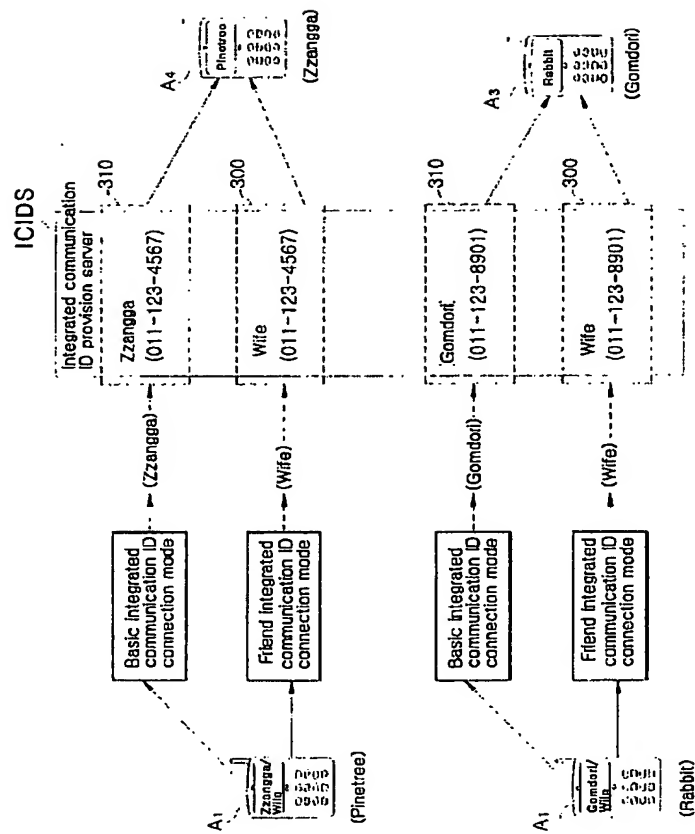


Fig. 11

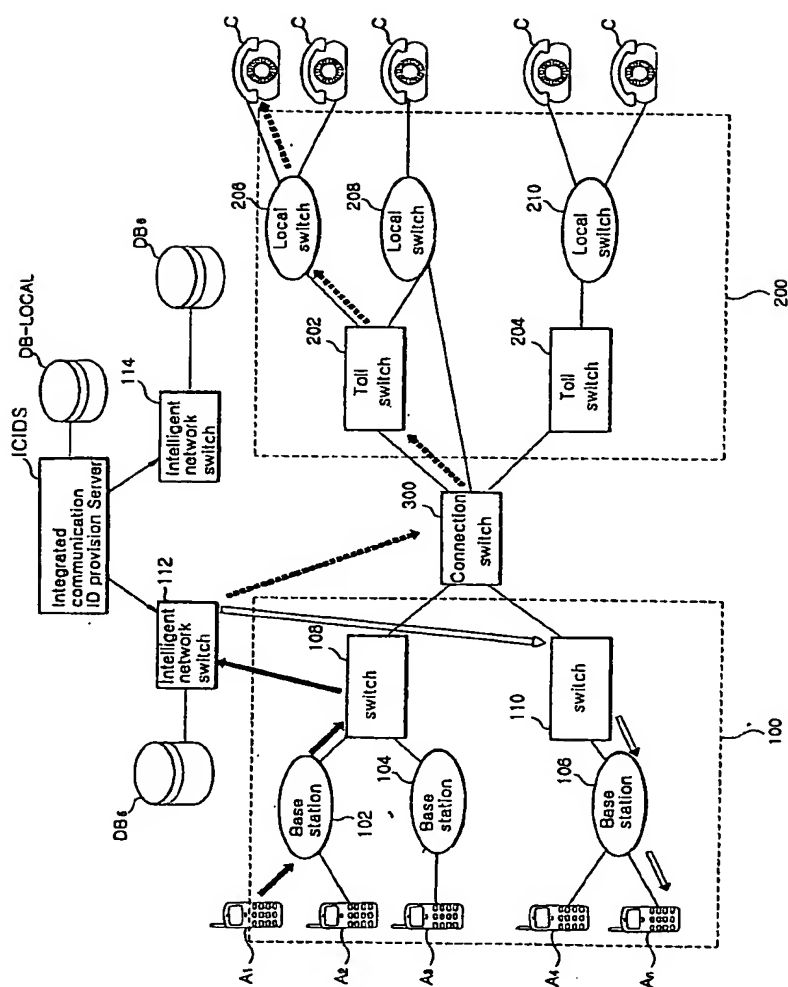


Fig. 12

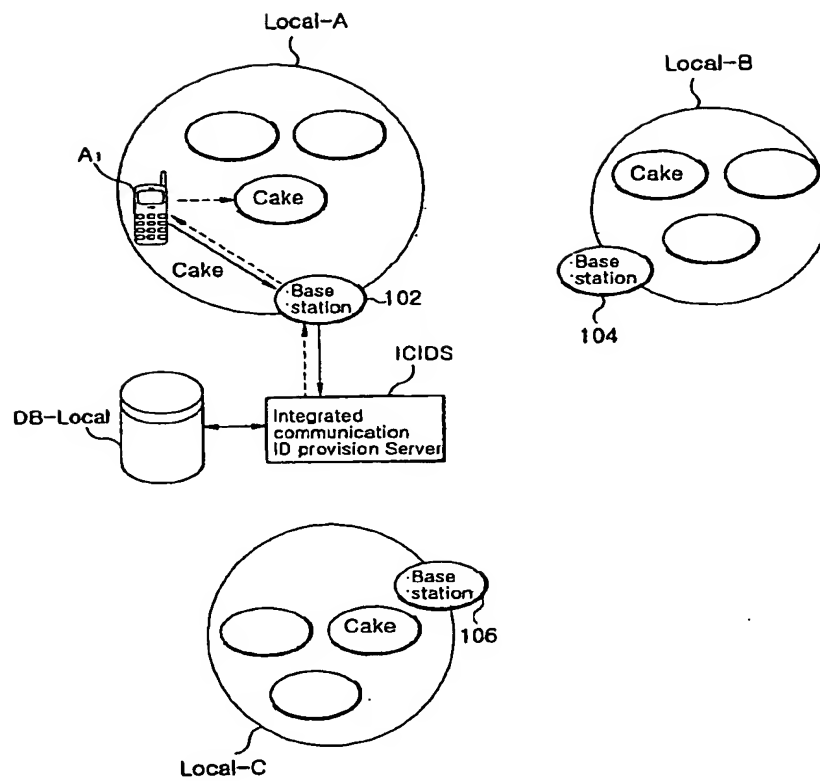


Fig. 13

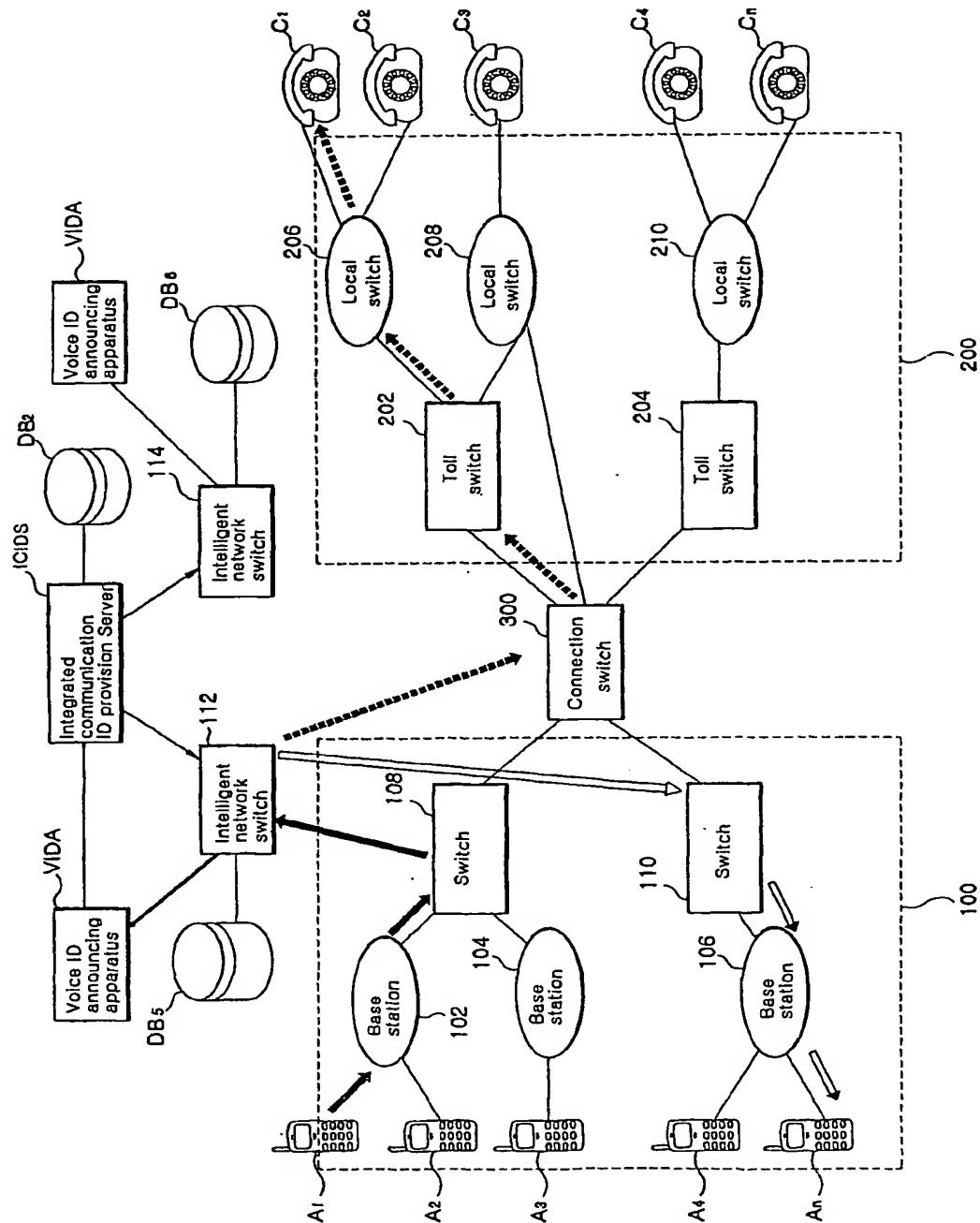


Fig. 14

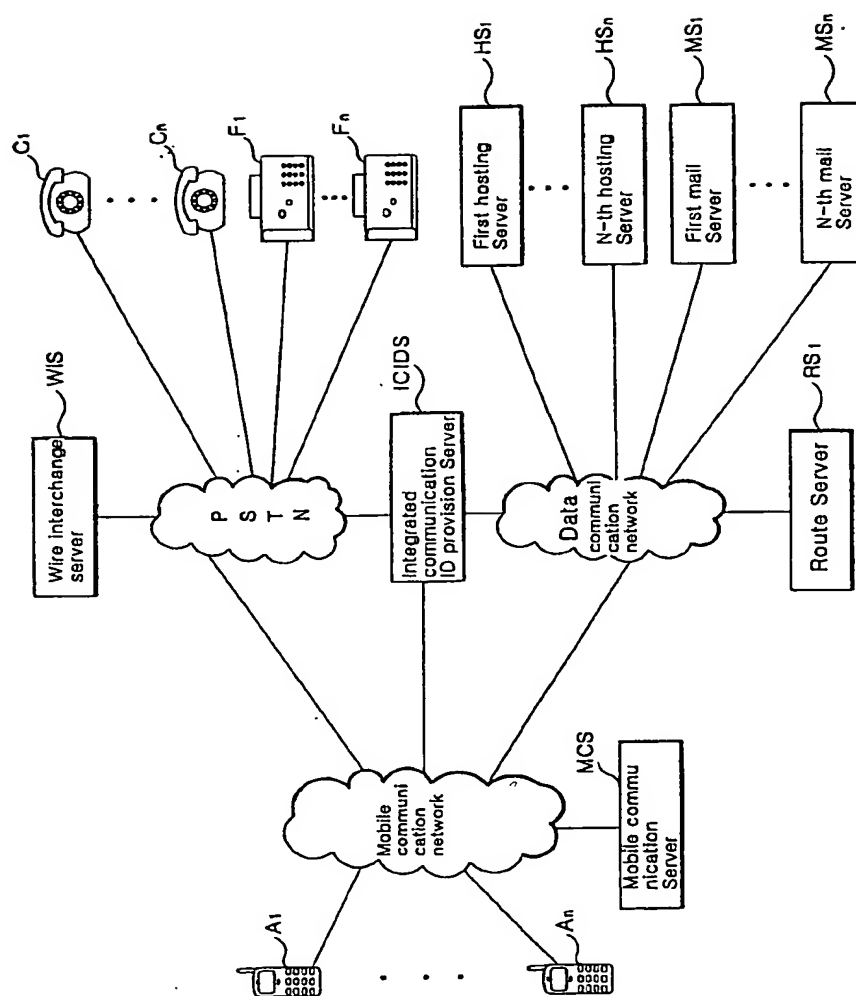


Fig. 15

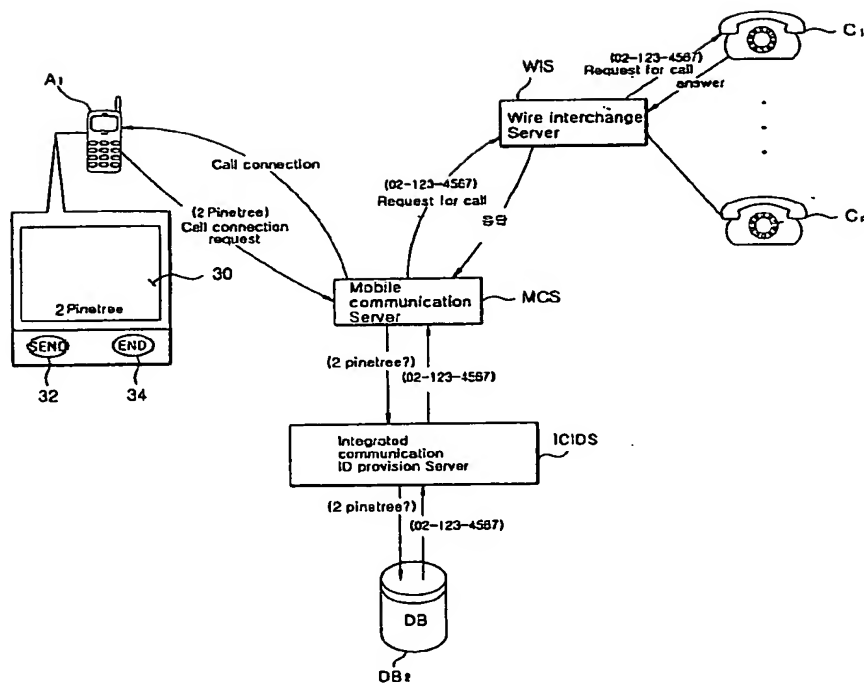


Fig. 16

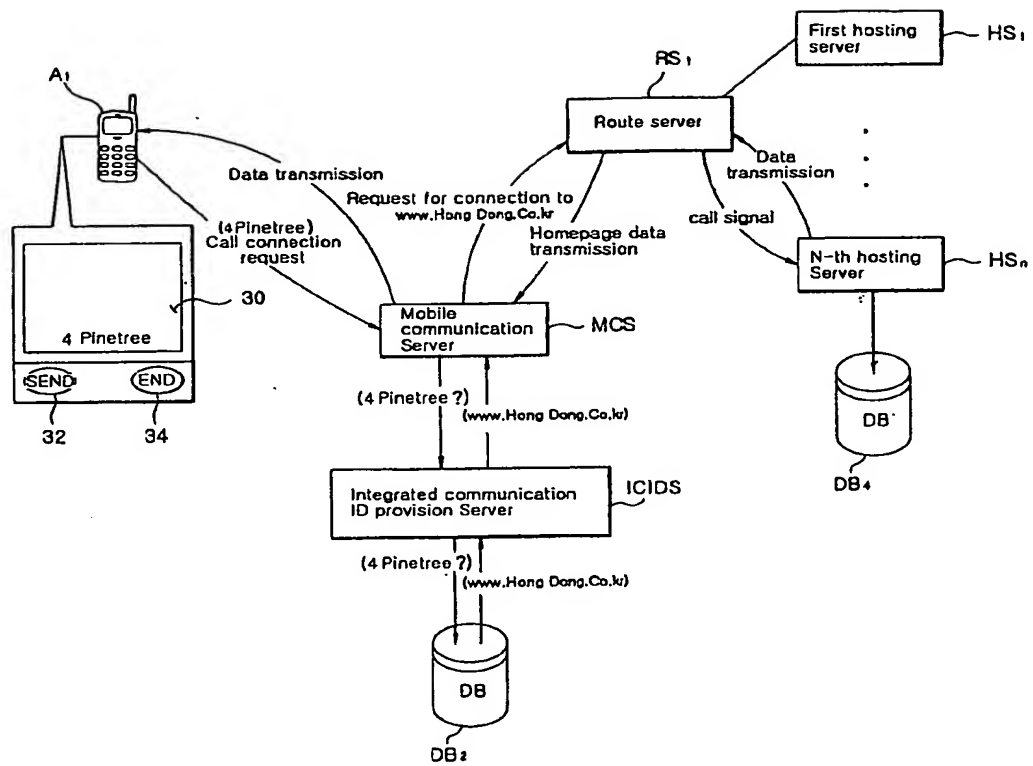


Fig. 17

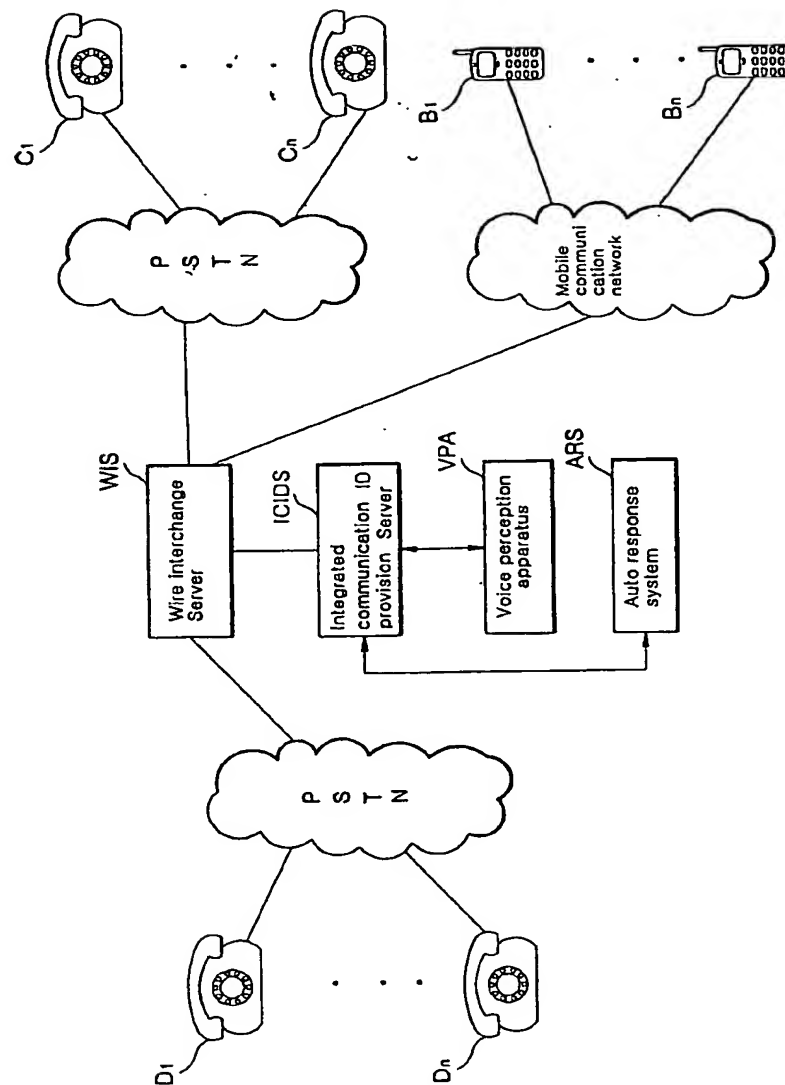


Fig. 18

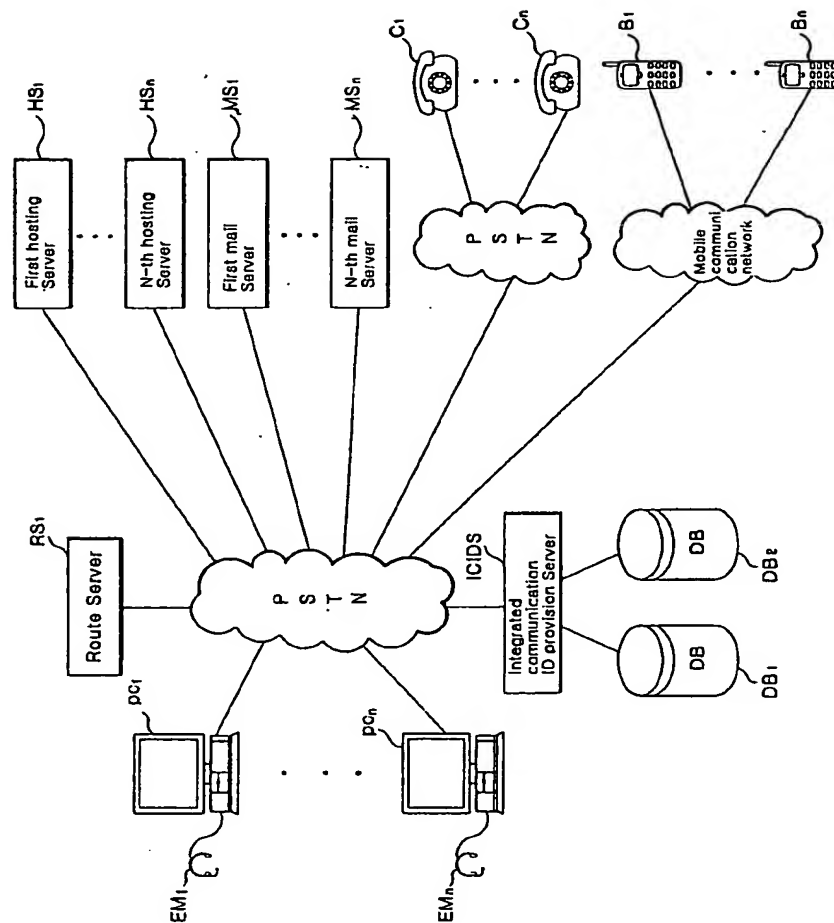
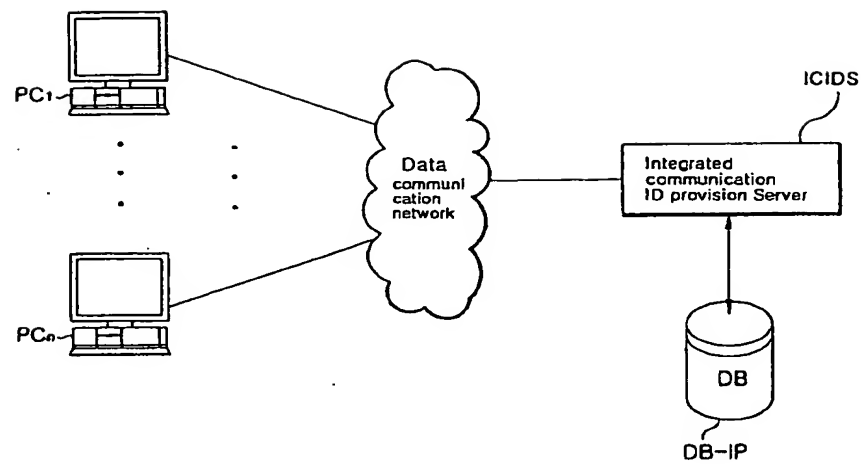
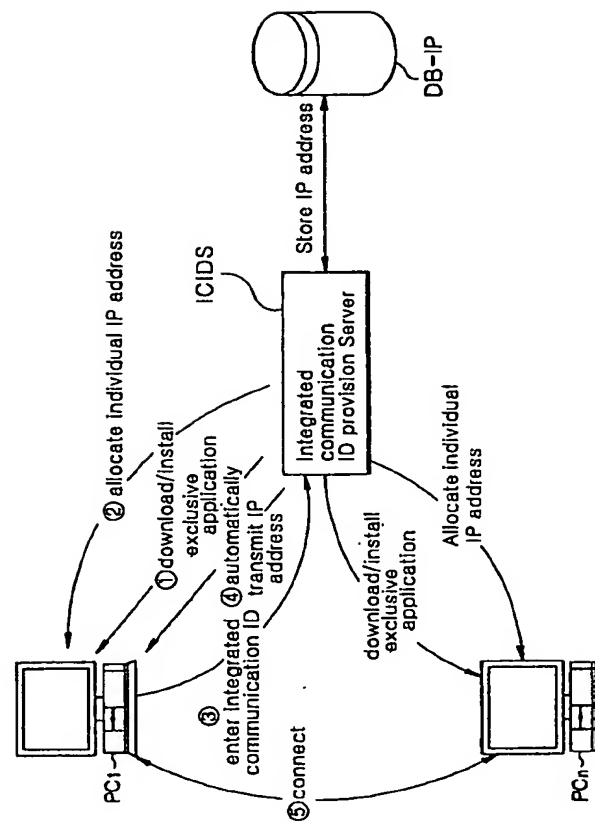


Fig. 19



31 / 32

Fig. 20



32 / 32

Fig. 21

